

IN THE CLAIMS

1-8. (canceled)

9. (currently amended) An optical glass consisting of, in mass %,

SiO ₂	40-70%
PbO	14-50%
Na ₂ O and/or K ₂ O in the total amount of	8-17%
where	
Na ₂ O	[[5]] <u>6.5</u> -14%
and	
K ₂ O	0-15%
B ₂ O ₃	0-5%
As ₂ O ₃	0-1%
Sb ₂ O ₃	0-1%
TiO ₂	0-0.2%
Al ₂ O ₃	0-0.4% and
BaO	0-5%

fluoride or fluorides substituting for the above oxide or oxides partially entirely, a total amount of fluorine contained in the fluorides being 0-2%.

10. (currently amended) An optical glass consisting of, in mass %,

SiO ₂	40-70%
PbO	14-50%
Na ₂ O and/or K ₂ O in the total amount of	8-17%
where	
Na ₂ O	[[5]] <u>6.5</u> -14%
and	
K ₂ O	0-15%
B ₂ O ₃	0-5%
As ₂ O ₃	0-1%
Sb ₂ O ₃	0-1%
TiO ₂	0-0.2%
Al ₂ O ₃	0-0.4% and

BaO	0-5%
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fluoride or fluorides substituting for the above oxide or oxides partially entirely, a total amount of fluorine contained in the fluorides being 0-2%

Li ₂ O	0-2%
CaO	0-2%
SrO	0-2%

the total amount of one or more of the Li₂O, CaO, SrO, BaO and Al₂O₃ ingredients being 5% or below.

11. (previously presented) An optical glass as defined in claim 9 or 10 wherein an amount of change in refractive index (Δn : difference in refractive index between a state before radiation and a state after radiation) caused by radiation of laser beam at wavelength of 351nm having average output power of 0.43W, pulse repetition rate of 5kHz and pulse width of 400ns for one hour is 5 ppm or below.

12. (canceled)

13. (currently amended) An optical glass as defined in claim 9 or 10 comprising, in mass %, a total amount of 0.1-2% of F in one or more fluoride as the or fluorides as the fluorine ingredient and/or 0.001-0.2% of TiO₂ ~~as the titanium oxide ingredient~~ and/or 0.001-1% As₂O₃ ~~as the arsenic oxide ingredient~~.

14. (currently amended) A method of providing ~~making~~ an optical glass for lenses of an optical system of an ~~i-line~~ i-line stepper, said method comprising providing ~~employing~~ in said i-line stepper a lens made from an optical glass having a composition comprising, in mass %: [[%,]]

SiO ₂	40-70%
PbO	14-50%
Na ₂ O and/or K ₂ O in the total amount of	8-17%
Where	
Na ₂ O	[[5]]10.9-14%
And	

K_2O	0-15%
B_2O_3	0-5%
As_2O_3	0-1%
Sb_2O_3	0-1%
TiO_2	0-0.2%
Al_2O_3	0-0.4% and
BaO	0-5%

fluoride or fluorides substituting for the above oxide or oxides partially entirely, a total amount of fluorine contained in the fluorides being 0-2%

Li_2O	0-2%
CaO	0-2%
SrO	0-2%

the total amount of one or more of the ~~Li_2O~~ Li_2O , CaO , SrO , BaO and Al_2O_3 ingredients being 5% or below.